

IN THE CLAIMS

Please amend the claims as follows:

1-10. (Canceled)

Cancel claims 11-15.

16-20. (Canceled)

21. (Previously Presented) A valve assembly according to claim 24, wherein said cold water valve means includes a diaphragm in fluid communication with said hot water outlet which is adapted to move in response to a change in the static pressure of water at said hot water outlet.

22. (Previously Presented) A valve assembly according to claim 32, that includes a valve assembly according to claim 31 that includes a bleed passage between said water supply inlet and said hot water outlet so as to allow continuous fluid communication between said water supply inlet and said hot water outlet.

23. (Previously Presented) A valve assembly according to claim 33 that includes a valve assembly according to claim 31 that includes a bleed passage between said water supply inlet and said hot water outlet so as to allow continuous fluid communication between said water supply inlet and said hot water outlet.

24. (Previously Presented) A valve assembly including:

a housing having a water supply inlet, a hot water outlet, a cold water outlet, a hot water flow passage between said water supply inlet and said hot water outlet and a cold water flow passage between said water supply inlet and said cold water outlet;

hot water valve means adapted to open said hot water flow passage in response to entry of water above a predetermined temperature into said housing through said water supply inlet and to close said hot water flow passage in response to entry of water below said predetermined temperature into said housing through said water supply inlet or in response to water in said housing cooling below said predetermined temperature; and

cold water valve means adapted to open said cold water flow passage in response to entry of water below said predetermined temperature into said housing through said water supply inlet or water in said housing cooling below said predetermined temperature and a predetermined drop in pressure at said hot water outlet and to close said cold water flow passage in response to entry of water above a predetermined temperature into said housing through said water supply inlet and a predetermined increase in pressure at said hot water outlet.

25. (Previously Presented) A valve assembly according to claim 24, wherein said hot water valve means and said cold water valve means include mechanically operable actuation means which are directly responsive to the temperature of water entering the housing through said water supply inlet.

26. (Previously Presented) A valve assembly according to claim 24, wherein said actuation means is in the path of water entering said housing through said water supply inlet.

27. (Previously Presented) A valve assembly according to claim 26, wherein said actuation means is mounted in an inlet chamber which forms part of the hot water flow passage when water is flowing from said water supply inlet to said hot water outlet and part of the cold water flow passage when water is flowing from said water supply inlet to said cold water outlet.

28. (Previously Presented) A valve assembly according to claim 24, wherein said cold water valve means includes first cold water valve means adapted to open said cold water flow passage at a first position in response to entry of water below said predetermined temperature into said housing through said water supply inlet and to close said cold water flow passage at said first position in response to entry of water above said predetermined temperature into said housing through said water supply inlet, and

second cold water valve means in series with said first cold water valve means and adapted to open said cold water flow passage at a second position in response to a predetermined drop in pressure at said hot water outlet and to close said cold water flow passage at said second position in response to a predetermined increase in pressure at said hot water outlet.

29. (Previously Presented) A valve assembly according to claim 28, wherein said hot water valve means and said first cold water valve means include mechanically operable actuation means which are directly responsive to the temperature of water entering the housing through said water supply inlet.

30. (Previously Presented) A valve assembly according to claim 29, wherein said actuation means include an actuator shared by said hot water valve means and said first cold water valve means which is adapted to simultaneously open the hot water flow passage and close the cold water passage and vice versa.

31. (Previously Presented) A valve assembly according to claim 28, wherein said second cold water valve means includes a diaphragm in fluid communication with said hot water outlet which is adapted to move in response to a change in the static pressure of water at said hot water outlet.

32. (Previously Presented) A valve assembly according to claim 31, wherein said cold water flow passage passes through a valve seat and said diaphragm is adapted to engage with said valve seat or is connected to a valve member adapted to engage with said valve seat to thereby close the cold water flow passage.

33. (Previously Presented) A valve assembly according to claim 32, including biasing means for biasing said diaphragm or said valve member into engagement with said valve seat.

34. (Previously Presented) A valve assembly according to claim 24 that includes a bleed passage between said water supply inlet and said hot water outlet so as to allow continuous fluid communication between said water supply inlet and said hot water outlet.

35. (Previously Presented) A valve assembly including:

a housing having a water supply inlet, a hot water outlet, a cold water outlet, a hot water flow passage between said water supply inlet and said hot water outlet and a cold water flow passage between said water supply inlet and said cold water outlet;

hot water valve means in said housing adapted to open said hot water flow passage in response to entry of water above a predetermined temperature into said housing through said water supply inlet and to close said hot water flow passage in response to entry of water below said predetermined temperature into said housing through said water supply inlet;

first cold water valve means adapted to open said cold water flow passage at a first position in response to entry of water below said predetermined temperature into said housing through said water supply inlet and to close said cold water flow passage at said first position in response to entry of water above said predetermined temperature into said housing through said water supply inlet; and

second cold water valve means in series with said first cold water valve means and adapted to open said cold water flow passage at a second position in response to a predetermined drop in pressure at said hot water outlet and to close said cold water flow passage at said second position in response to a predetermined increase in pressure at said hot water outlet.